

Appl. No. 09/714,040
Amendment dated February 1, 2006
Reply to Office Action of November 2, 2005

Amendments to the Specification:

Please amend the specification at page 4, line 34, as follows:

Another approach utilizes directed chemical coupling of bispecific Fab' fragments from two different MABs to assemble a BsMAB, in this case a F(ab')₂, with the desired specificities (See e.g., Nolan *et al.*, *Biochimica et Biophysica Acta* 1040:1 (1990). See also R. A. Maurer's Ph.D. Thesis, Harvard University (1978), and Brennan *et al.*, *Science* 229:81-83 (1985) for chemistries for the directed coupling of dithionitrobenzoate derivatives of Fab' fragments. Brennan *et al.* also teach the use of use sodium arsenite to cross-link two proximate cysteines, however this reaction involves highly toxic compounds. (Glennie *et al.*, *J. Biol. Chem.*, 141(10):3662-3670 (1985 1988) and *J. Immunol.*, 139:2367-2375 (1975 1987)) teach the preparation of bispecific F(ab')₂ antibody fragments containing thioether linkages. These chemistries would also be applicable for the coupling of identical Fab' fragments.